IMAGED ELEMENT AND METHOD FOR MANUFACTURING THE SAME

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Abstract of **JP 2002174878 (A)**

PROBLEM TO BE SOLVED: To provide an imaged element having a water-resistant protective overcoat. SOLUTION: The imaged element includes (A) a support and at least one image-receiving layer with a dye or pigment image and (B) a protective overcoat situated on the at least one image receiving layer, having at least 0.54 g/m2 lay-down and comprising a crosslinked coating composition containing a reaction product of a) water-dispersible latex particles having 10-250 nm average particle diameter and containing a film forming hydrophilic polymer and b) a photopolymerizable component system containing 20-300 mass% copolymerizable compatible monomers, based on the hydrophobic polymer, including at least one monomer having two or more polymerizable ethylenically unsaturated groups and 1-25 mass% ultraviolet light sensitive initiator based on the photopolymerizable component system. The Tg (glass transition temperature) of a coated composition containing the latex particles and the photopolymerizable component system before crosslinking is -60 to +60 deg.C.